

# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं. 3]

नई दिल्ली, शनिवार, जनवरी 21, 1995 (माघ 1, 1916)

No. 3]

NEW DELHI, SATURDAY, JANUARY 21, 1995 (MAGHA 1, 1916)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और सौदियाँ  
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS  
CALCUTTA, 21st JANUARY, 1995

#### ADDRESS AND JURISDICTION OF OFFICE OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below:—

Patent Office Branch, Todd  
Estates, III Floor, Lower  
Parel (West), Bombay-400013.

The States of Gujarat, Maharashtra and Madhya Pradesh and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,  
Unit No. 401 to 405, III Floor,  
Municipal Market Building,  
Saraswati Marg, Karol Bagh,  
New Delhi-110009.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOPIC".

Patent Office Branch,  
61, Wallajah Road,  
Madras-600002.

The States of Andhra Pradesh, Karnataka, Kerala,  
Tamilnadu, and the Union Territories of Pondicherry,  
Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOPIS".

Patent Office (Head Office),  
"NIZAM PALACE", 2nd M.S.O.  
Building, 5th, 6th and 7th  
Floor, 234/4, Acharya Jagadish  
Bose Road, Calcutta-700020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents of any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

*Fees* :—The fees may either be paid in cash or may be sent by Money Order or payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय  
एकस्थ तथा अभिकल्प  
कलकत्ता, दिनांक 21 जनवरी 1995

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार  
पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवधित है  
तथा दूसरे, दिल्ली एवं मुम्बई में इसके शास्त्र कार्यालय हैं,  
जिनके प्राधारिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में  
ग्रन्थित हैं :—

पेटेंट कार्यालय शास्त्र, टोडी इस्टेंट,  
तीसरा तल, लोडर परले (परिषम).  
माम्बई-410013।

गुजरात, बहाराहू तथा मध्य प्रदेश राज्य  
क्षेत्र एवं संघ शासित क्षेत्र गोआ, बम्बन तथा  
दीव एवं शास्त्र और नगर हवेली।

भारत पता—“पेटेंटिफ्स”

पेटेंट कार्यालय शास्त्र,  
एकम सं 401 से 405, तीसरा तल,  
नगरार्जुना बाजार भवन,  
सरस्वती मार्ग, करोल बाग  
मार्ग दिल्ली-110005।

महाराष्ट्र, महाराष्ट्र प्रदेश, उम्म तथा कर्मीर,  
मंजाब, राजस्थान तथा उन्नर प्रदेश राज्य क्षेत्रों  
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

भारत पता—“पेटेंटिफ्स”

पेटेंट कार्यालय शास्त्र,  
61, बालाजाह रोड,  
माम्बई-600002।

आन्ध्र प्रदेश, कर्नाटक, कर्ल, तमिलनाडु राज्य  
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,  
मिनिकाय तथा एमिनीविधि द्वीप।

भारत पता—“पेटेंटिफ्स”

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, दिल्ली बहुतलीय कार्यालय,  
भवन 5, 6 तथा 7 वां तल,  
234/4, आधार्य जगदीश बोस रोड,  
कलकत्ता-700020।

भारत का अवशेष क्षेत्र।

भारत पता—“पेटेंटिफ्स”

पेटेंट अधिनियम, 1970 द्वा पेटेंट नियम, 1972 में अपेक्षित सभी आयोदन-पत्र, सूचनाएं, निवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा छाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के उन्नत्संचित वैकं से नियंत्रक को भुगतान योग्य वैकं छाफ्ट उधार चैक द्वारा की जा सकती है।

Dated, the 13th DECEMBER, 1994.

#### LIST OF HOLIDAYS FOR THE YEAR—1995

The following days have been declared as Holidays to be observed by the Patent Office, Calcutta during the year 1995.

Sl. No.	Holidays & Connected Festivals	Month & Date	Days of the Week.
01.	REPUBLIC DAY	JAN. 26	THURSDAY
02.	MAHASHIVRATRI	FEB. 27	MONDAY
03.	IDU'L FITR	MAR. 03	FRIDAY
04.	HOLI	MAR. 17	FRIDAY
05.	MAHAVIR JAYANTI	APR. 13	THURSDAY
06.	GOOD FRIDAY	APR. 14	FRIDAY
07.	IDU'L ZUHA	MAY 11	THURSDAY
08.	BUDDHA PURNIMA	MAY 14	SUNDAY
09.	MUHARRAM	JUNE 09	FRIDAY
10.	MILAD-UN-NABI or ID-E-MILAD (Birthday of Prophet Mohammed)	AUG. 10	THURSDAY
11.	INDEPENDENCE DAY	AUG. 15	THURSDAY
12.	JANMASTAMI	AUG. 18	FRIDAY
13.	MAHATMA GANDHI'S BIRTHDAY	OCT. 02	MONDAY
14.	DUSSEHRA (Vijaya Dashami)	OCT. 03	TUESDAY
15.	DIWALI (Deepavali)	OCT. 23	MONDAY
16.	GURU NANAK'S BIRTHDAY	NOV. 07	TUESDAY
17.	CHRISTMAS DAY	DEC. 25	MONDAY

(T.K. CH  
SCF

## SPECIAL NOTICE

New Delhi, the 19th December 1994

No. 147/Exam. 1/1994-Pol.—The qualifying examination as prescribed under clause (c) (ii) of Sub-section (1) of Section 126 of the Patents Act, 1970 read with Rule 95 of the Patent Rules, 1972 will be held at the Patent Office, Calcutta and its branch offices at Bombay, Madras and New Delhi on Wednesday, the 15th March, 1995 and Thursday, the 16th March, 1995.

The Schedule of the qualifying examination (written) will be held as follows :

5th March, 1995 :

Paper I : Patents Acts & Rules  
(10.30 a.m. to 1.00 p.m.)

Paper II : Drafting and interpretation of Patent Specification and other documents.  
(2.30 p.m. to 5.00 p.m.)

The *viva voce* Examination will be held on Thursday, the 5th March, 1995 at 11.00 a.m.

## CORRIGENDUM

In the Gazette of India, Part-III Sec. 2 dated 29th January, 1994 Page 98 Col. 1. The name and address of the applicant stands charged to "HASRODE B. V.", a Dutch company of Grochewoudsweg 1, 5621 BA, Eindhoven, The Netherlands", instead of "HOLLANDSE S.GNAALAPPA-ATEN B. V. Zuidelijke Havenweg 40, 7550 G D Hengelo, the Netherlands.

## REGISTRATION OF PATENT AGENT

The following persons have been registered as a Patent agent under sub-section (1) (c) (i) of Section 126 of the Patents Act, 1970.

1. G. Rajan,  
Vanchiyoor,  
Thiruvananthapuram,  
Kerala.
2. Nripes Datta,  
Vikram Forgings & Allied  
Industries Pvt. Ltd.,  
1&2, Old Court House Corner,  
Calcutta-700001.

## APPLICATION FOR PATENT FILED AT THE HEAD OFFICE

234/4, ACHARYA JAGDISH BOSE ROAD,  
CALCUTTA-20

The dates shown in the crescent branch are the dates claimed under section 135, of the Patent Act, 1970.

1-11-1994.

64/Cal/94. Mark D. Jamison. Pressure sensitive gas valve for flexible pouch.

65/Cal/94. Arco Chemical Technology, L. P. Integrated Process for epoxide production.

66/Cal/94. (1) Ernesto Yoshimoto, and (2) Carlos Yoshimoto. Reciprocating piston pump.

67/Cal/94. Wiva Verpakkingen B. V. Container with cover lockable thereon.

68/Cal/94. Reckitt & Colman Inc. Refrigerator air freshener.

2-11-1994.

69/Cal/94. Commonwealth Scientific and Industrial Research Organisation. Yarn spinning.

(Convention Nos. are PM 2604/93, PM 7771/94, PM 8987/94; dated are 23-11-1993, 30-08-1994; respectively: Australia).

970/Cal/94. Giuseppe Bendetti and Renzo Pecoroni. Device for sucking juice from citrus fruit.

971/Cal/94. Ericsson India Private Limited. Portable field electronic magneto telephone exchange (Multiple lines, Cordless, analogue speech transmission, Modular construction).

972/Cal/94. Ericsson India Private Limited. Portable field magneto telephone exchange (Multiple lines, cordless, analogue speech transmission, modular construction).

973/Cal/94. W. Schlafhorst Ag & Co. A cross-Robbin Manufacturing textile machine.

974/Cal/94. Kerr-McGee Chemical Corporation. Titanium Dioxide Dispersibility.

975/Cal/94. Kerr-McGee Chemical Corporation. Durable Pigmentary titanium dioxide and method of producing the same.

976/Cal/94. Kerr-McGee Chemical Corporation. Method and apparatus for enhancing production of TiO 2.

23-11-1994

977/Cal/94. Mark Blundell & Associates, Inc. Method and process of inter-machine communication and generalized method for program preparation therefor.

24-11-1994.

978/Cal/94. Eurotech Srl. Metallic safety barrier.

979/Cal/94. Technological Resources Pty Ltd. A Converter process for the production of iron.

25-11-1994.

980/Cal/94. Analogic Corporation. X-ray focal spot movement compensation system.

981/Cal/94. Analogic Corporation. Auxiliary data acquisition in a medical imaging system.

982/Cal/94. Analogic Corporation. Normalization of tomographic image data.

983/Cal/94. Tippins Incorporated. Intermediate thickness twin slab caster and inline hot strip and plate line.

984/Cal/94. Connector systems technology N. V. Right angle electrical connector and insertion tool therefor.

28-11-1994.

985/Cal/94. Dalmia Institute of Scientific & Industrial Research. Method of reducing setting times of Cement.

986/Cal/94. The Freyssinet Prestressed Concrete Co., Ltd., Iprivedm Prestressing Anchorage, for use in Making prestressed concrete structures.

987/Cal/94. The Freyssinet Prestressed Concrete Co., Ltd., Process of producing in situ Prestressed Concrete Slab.

988/Cal/94. Goldstar Co. Ltd. Pigment composition for coating phosphor screen of color television tube and treatment method of phosphor using the same.

989/Cal/94. Indian Jute Industries Research Association. Electric oil content meter.

990/Cal/94. Euroceltique, S. A. Method of treating pain by administering 24 Hour oral opioid formulations exhibiting rapid rate of initial rise of plasma drug level.

991/Cal/94. Siemens Aktiengesellschaft. Drive Unit.

992/Cal/94. Cincinnati Milacron Inc. Aqueous functional fluid having improved resistance to micro-organisms.

993/Cal/94. Modern Technologies Corp. Apparatus and method for measuring fluid flow.

994/Cal/94. Hitachi Construction Machinery Co. Ltd. Hydraulic control system for construction machines.

#### ALTERATION OF DATE

174630

Filed on 18 Mar 1988

(220/Del/88)

Ante-dated to 13- Sept 1985.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this Issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

#### स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का दिशें करने के इच्छुक कोइँ अवधि, इसके निर्गम की तिथि से चार(4) महीने या अधिक एसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को उपयुक्त कार्यालय को एसी विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना को साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए गयींकरण, भास्त्रोंय गर्भीकरण इथा अंतर-राष्ट्रीय गर्भीकरण के अनुरूप हैं।”

स्वांकन (चित्र आरेखों) की कोटों प्रतियों यवि कोइँ न्हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपर्युक्त शास्त्र कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-ध्वनिहार द्वारा सुनिश्चित करने के उपरान्त उग्रकी अदायी पर की जा सकती है। विनिर्देश की पाठ संस्कृत के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) पाठें लिप्यान्तरण प्रभार का विरकलन किया जा सकता है।

Ind. Cl. : 80 D

174601

Int. Cl. : B 01 D 23/00, 23/12.

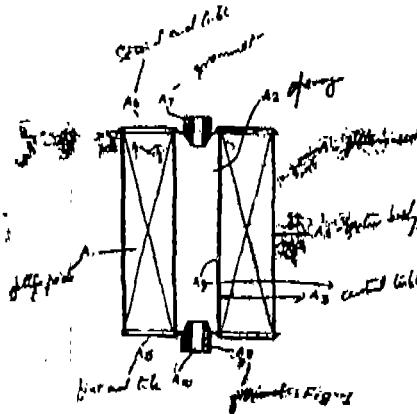
#### “A FILTER ELEMENT”

Applicant : PUROLATOR INDIA LIMITED, 1, SRI AUTOBINDO MARG, NEW DELHI-110 016, INDIAN COMPANY.

Inventor : RAJESH KAKKAR, AN INDIAN NATIONAL.

#### 4 Claims

a filter element for causing filtration of a liquidous or gaseous medium comprising a pleated filter pack one end of which mounted on a first end cap, characterised in that the opposite end of said pack being folded such that the free end rests on a second end cap disposed in the proximity of said first end cap and having smaller diameter than that of said first end cap, a short perforated centre tube extending between first and second end caps.



Com. Spec. 10 pages

Drg. 3 sheets

Ind. Cl. : 107 B, L

174602

Int. Cl. : F 02 B 33/06, 55/00, 55/02, 55/14.

#### “ROTATING CYLINDER BLOCK PISTON-CYLINDER ENGINE”

Applicant : FUTURE POWER INC., OF 600 CROSIER AVENUE, NO. 56, GREELEY, COLORADO 80631, UNITED STATES OF AMERICA.

Inventor : VERNON DAY NEWBOLD

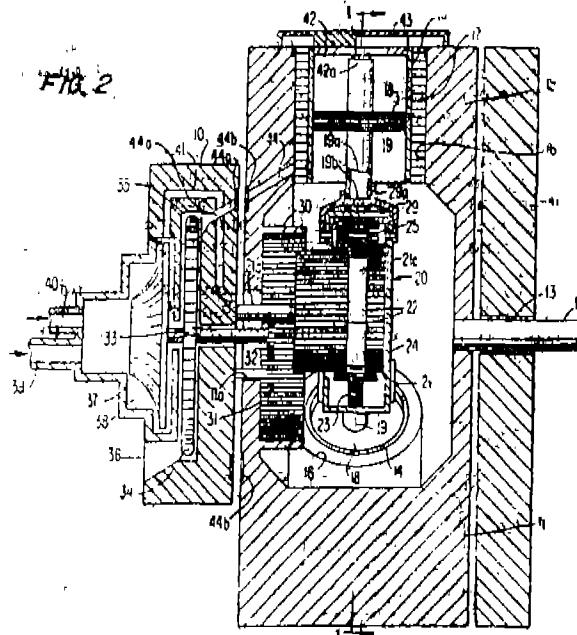
Application for Patent No. 220/Del/89 filed on 9th March, 1989.

Appropriate officer for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110005.

#### 9 Claims

“A rotating cylinder block piston-cylinder engine, comprising a stator means; a hollow rotor housing mounted on said stator means for rotation around a rotor housing axis of rotation; a plurality of cylinders radially positioned in the peripheral wall of said hollow rotor housing; a piston lidable in each of said cylinders and having a piston rod rigidly connected to the piston and extending radially of said rotor into said hollow rotor housing; means connected to said cylinders and the pistons therein for supplying a gas into said cylinders, expansion of said gas, driving said pistons radially inwardly in said cylinders and for exhausting the expended gas from said cylinders; a rotatable reaction member in said hollow rotor housing, said reaction member being mounted on said stator means for rotations around a fixed axis offset from the rotor housing axis of rotation and

having radially spaced peripherally extending rolling engagement surfaces around the periphery thereof; and differential rolling engagement means on the inner ends of each of said piston rods co-operating with said rolling engagement surfaces of said reaction member for transmitting the force from said pistons to said reaction member and reaction force from said reaction member to said pistons and or causing said reaction member to rotate."



Application for Patent No. 251/Del/89 filed on March 16, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi.

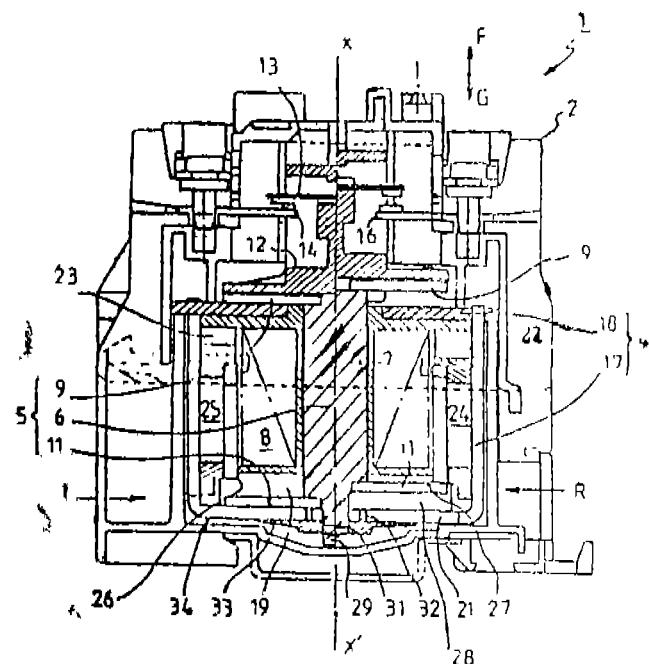
12 Claims

An electromagnet for actuating switches of a contact-maker apparatus, comprising.

a fixed yoke having a transverse portion, a movable armature connected to said switches for actuating the switches, said movable armature comprising an elongate core concentric with an energization coil, and at least one magnetizable plate separated from the transverse portion of the yoke by a longitudinal air-gap which varies during motion of the movable armature relative to the yoke when said coil is energized or de-energized;

return means cooperating longitudinally with the armature for displacing said magnetizable plate in the longitudinal direction of the core for returning the armature to a rest position when the coil is deenergized; and

a concentric compensation spring secured to an outer surface of said transverse portion of the yoke for exerting force over a fraction of travel of the armature in opposition with said return means wherein said compensation spring comprises a thin U shaped stirrup piece having two parallel legs, extending in the longitudinal direction of the core, a resiliently deformable cross-piece linked to said transverse portion of the yoke, said parallel legs forming hooks cooperating with lateral ends of the plate whereas portions of said resiliently deformable cross-piece cooperating with inclined bosses or ramps of an adjustable rotary cam provided concentrically about the core of the armature, whereby, in use, progressive adjustment of an initial resilient force of said compensation spring which the stirrup communicates to the armature during a fraction of its travel can be obtained.



Com. Spec. 12 pages

Drg. 5 sheets

Ind. Cl. : 19 C

174606

Int. Cl. : H 01 R 9/18

“CONNECTION TERMINAL FOR AN ELECTRIC APPARATUS”

Applicant : LA TELEMECANIQUE ELECTRIQUE, OF 33 BIS, AVENUE DU MARECHAL JOFFRE, 92000 NANTERRE, FRANCE.

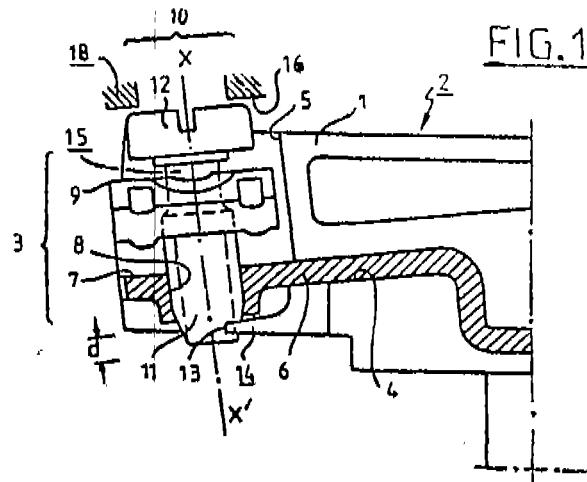
Inventor : PHILIPPE MARIE AND PIERRE JEAN DECELLE

Application for Patent No. 265/Del/89 filed on 23rd March, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110005.

5 Claims

1. A connection terminal for an electric apparatus comprising a conducting part for location on an insulating support, said conducting part being provided with a tapped hole, and a terminal clamping screw, said clamping screw passing through a bridge connector and which is engaged in said tapped hole, abutment means being provided on said support, above said tapped hole, a head of said screw being in abutting relationship with said abutment means in a maximum unscrewed position of said screw, said screw having a length whereby in said maximum unscrewed position, an end portion of said screw, opposite said screw head, projects from the tapped hole, a transverse resilient tongue secured to said support and extending under said tapped hole so as to engage said end portion of the screw when said screw is in said maximum unscrewed position to prevent turning of said screw.



Com. Spec. 8 pages

Drg. 1 sheets

Ind. Cl. : 206 E

174607

Int. Cl. : G 06 F 15/00

“MICROCOMPUTER SYSTEM”

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION OF ARMONK NEW YORK-10504, U.S.A. (A USA Corporation)

Inventor : PATRICK MAURICE BLAND, MARK EDWARD DEAN AND RALPH MURRAY BEGUN

Application for Patent No. 442/Del/89 filed on 19th May, 1989.

Conventional data 3-3-1989 8904918.3 UK

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A microcomputer system comprising a microprocessor, a cache store of fixed data width, and a cache controller, all of the microprocessor, the cache store, and the cache controller being connected to a local bus which is connected through buffer to a system bus having system components of said fixed data width and system components of different data width, attached thereto, said microprocessor being operable to post write to the system bus whereby data and addresses from the microprocessor are stored into the buffer and a ready signal is directed to the microprocessor from the cache controller to initiate a subsequent microprocessor cycle, characterized by a decoder connected to microprocessor

cessor address outputs indicating addressees outside cacheable address ranges, and logic means, connected to the output of said decoder and said ready signal, for receive withhol-

ding said ready signal to the microprocessor in response to said microprocessor addressing outside cacheable address ranges.

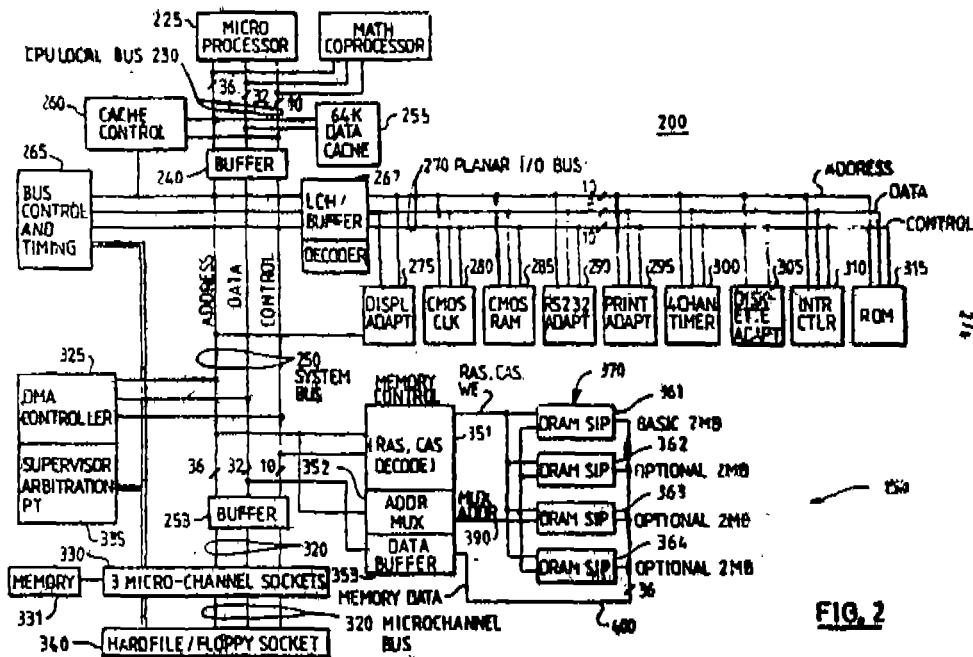


FIG. 2

Com. Spec. 17 pages

Drg. 4 sheets

Ind. Cl. : 206 E

174608

Int CP. : GOBF 7/00, 15/00

## "MICRO-COMPUTER SYSTEM"

APPLICANT : INTERNATIONAL BUSINESS MACHINES  
CORPORATION OF ARMONK NEW YORK-10504,  
U.S.A. (A USA CORPORATION).

Inventor: PATRICK MAURICE BLAND, MARK EDWARD DEAN AND RALPH MURRAY BEGUN

Application for Patent No. 445/Del/89 filed on 19th May, 1989.

Conventional data : date 3-3-1989 8904920.0 U.K.  
Appropriate officer for competition proceedings (Rule 4)

Appropriate under the opposition proceedings (1970) Patent Rules 1972) Patent Office Branch, New Delhi.

A microcomputer system comprising a microprocessor for executing instructions causing read mode operations, each

Executive Summary: Current Trends and Opportunities in the Global Market

260

of which is completed in one instruction cycle, a cache memory, a cache controller for controlling said cache memory, a local bus interconnecting said microprocessor, cache memory and cache controller; transfer means connected to said local bus and effective during each read miss operation for transferring data from a main memory associated with said transfer means to said local bus so as to be received by said microprocessor during said read miss operation at a time determined by said microprocessor; said cache controller having means for generating a cache write enable signal which terminates prior to said determined time during each read miss operation; and logic means connected between said cache controller and said cache memory and responsive to said cache write enable signal during each read miss operation for producing a delayed cache write enable signal for writing the data from said local bus to said cache memory during the read miss operation at a time not preceding said determined time.

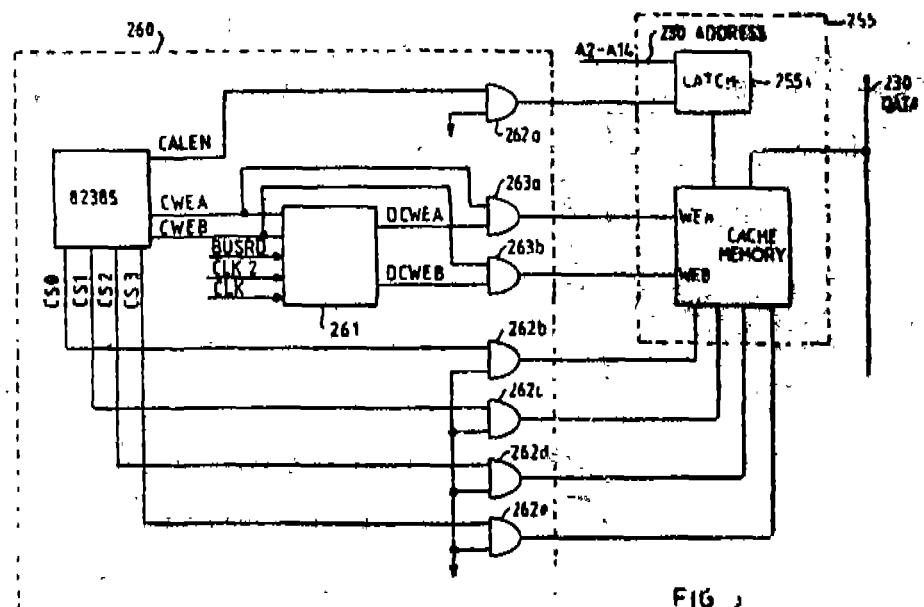


FIG. 5

Com. Spec. 18 sheets

Drg. 7 sheets

Ind. Ch. : 130-F

174609

Ind. Cl. : C 22 B 9/05.

Ind. Cl. : 154 F, D

174610

## "APPRATUS FOR TREATING MOLTEN METAL"

Applicant : ALCAN INTERNATIONAL LIMITED, A  
CANADIAN COMPANY, OF 1186 SHERBROOKE  
STREET, WEST MONTREAL, QUÉBEC H3 A 3 G 2,  
CANADA

Inventors : PETER DONALD WAITE AND GHYS-  
LIN DUBE

Application for Patent No. 513/Del/89 filed on June 14, 1989.

"COMBINED SHEET-FED ROTARY PRINTING  
MACHINE FOR SECURITIES"

Applicant : DE LA RUE GIORI S.A. OF 4, RUE DE LA PAIX, 1003 LAUSANNE, SWITZERLAND;

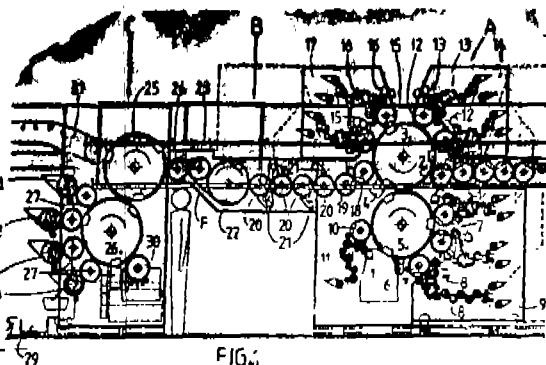
Inventor : JOSEPH ALBRECHT GERMANN

Application for Patent No. 514/Del/89 filed on June 14, 1989.

Appropriate officer for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi.

## 12 Claims

1. "A combined sheet-fed rotary printing machine for securities, said machine having an indirect printing unit (A) with a first cylinder comprising a first blanket cylinder, a plurality of plate cylinders, a second cylinder of substantially the same size as the first cylinder, a sheet transport device (B) located adjacent the printing unit (A), said sheet transport device comprising a plurality of transport drums, drying means positioned along said sheet transport device and an intaglio printing unit located adjacent the sheet transport device (B), wherein said second cylinder is adjacent a carry-over drum and interacts therewith for feeding sheets, a transfer drum for receiving sheets comprising a first transport drum of the sheet transport device (B), said second cylinder having a circumferential region located between the carry over drum and the transfer drum and against which a sheet rests, facing said first blanket cylinder, a multicolor image originating from the plate cylinders being transferred onto a said of a sheet facing said first blanket cylinder characterised by said second cylinder comprising a second blanket cylinder said circumferential region of said second blanket cylinder being at most equal to half the said second blanket cylinder's circumference, and along said circumferential region of said second blanket cylinder which is not covered by a sheet are a plurality of second plate cylinders adjacent said second blanket cylinder such that a multicolor image originating from said second plate cylinders is transferred onto an opposite said of the sheet and said transfer drum, said carry-over drum and said first and second plate cylinders are of substantially the same size".



Com. Spec. 24 pages

Drg. 6 sheets

Com. Spec. 20 pages

Dr. 3 sheets

Ind. Cl. : 206 E  
Int. Cl. : H 05 K 7/00.

## "AN IMPROVED ELECTRONIC DEVICE"

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION OF ARMONK NEW YORK-10504, U.S.A. (A USA CORPORATION).

Inventor : WILLIAM DALE CORFITS, CLAUDE JOSEPH MOSLEY, JERRY RICHARD RASMUSSEN, STEPHEN EDWARD WHEELER.

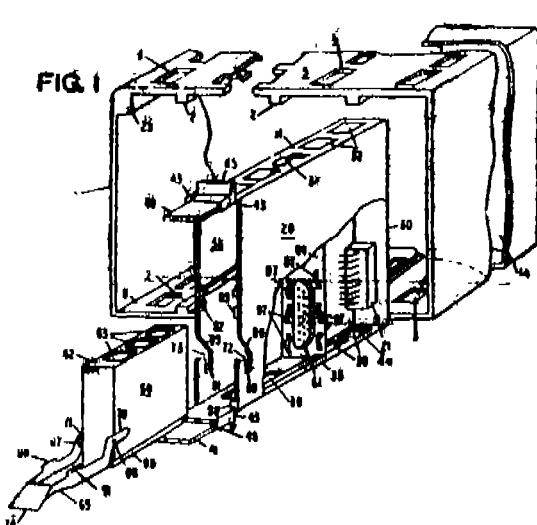
Application for Patent No. 521/Del/89 filed on 16th June, 1989.

Conventional data : date 20-6-88 8814631.1 UK.

Appropriate officer for opposition proceedings (Rule 4, Patent Rules 1997) Patent Office Branch, New Delhi.

## 4 Claims

A shielding device for shielding circuit cards in an electronic device in enclosure comprising a metallic housing a top, a bottom, a back and a first connector positioned on said back for mating and connection with a connector in said enclosure; said circuit card positioned within said metallic housing and connected to said first connector, a plurality of opening in the top and bottom of said metallic housing for the flow of cooling air, at least grounding spring affixed to said top and bottom of the metallic housing for engagement with a surface of said enclosure, a solid face conductive front portion and solid face conductive side portions of the said metallic housing coating with said enclosure to constrain air flowing through said housing and providing electro-magnetic shielding for said circuit card positioned within the said metallic housing.



Com. Spec. 13 sheets

Drg. 7 sheets

Int. Cl. : 206 E

174612

Int. Cl. : H 05 K 7/00.

**"AN INTERPOSER DEVICE FOR ENCLOSING CIRCUIT CARDS IN ELECTRONIC DEVICES"**

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION OF ARMONK NEW YORK-10504, U.S.A. (A USA CORPORATION).

Inventor : LINDA MARIE BEHRENS, NEIL ALBERT BLOHM, REYMOND LEONARD CIMIJOTTI, WILLIAM DALE CURFIS AND JERRY RICHARD RASMUSSEN.

Application for Patent No. 522/Del/89 filed on 16th June, 1989.

Conventional data : date 20-6-88 8814632.9 UK.

Appropriate officer for opposition proceedings (Rule 4, Patent Rules 1997) Patent Office Branch, New Delhi.

## 5 Claims

An interposer device for enclosing circuit cards used in electronic devices and for accommodating the connection of cables and additional circuit cards in an enclosure comprising a metallic housing having a top, a bottom, sides, a back and a partition, said partition positioned within said metallic housing and connected to said housing; a circuit card positioned within said metallic housing; a plurality of opening in the top and bottom of said housing for the flow of

cooling air; a first connector positioned on said back of the metallic housing and connected to said circuit card, for mating and connecting with a connector in said enclosure, and a second connector affixed to said partition and connected to said circuit card within said metallic housing, for the connection of said additional circuit card and cable.

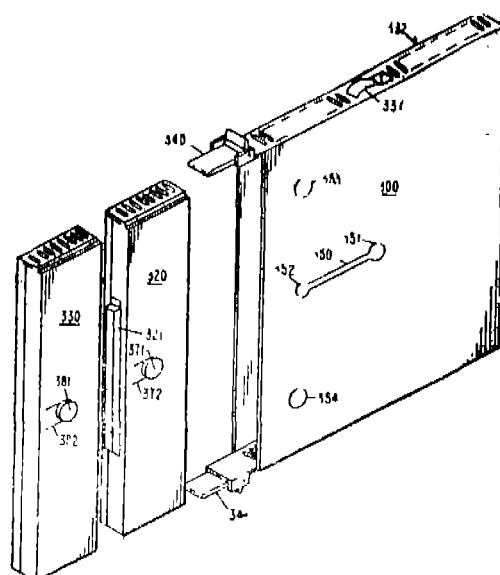


FIG. 3

Com. Spec. 13 pages

Drg. 7 sheets

Ind. Cl. : 32 E

174613

Int. Cl. : C 09 D 5/08.

**"A COMPOSITION- FOR USE AS ANTI-CORROSION COATING COMPOSITION"**

Applicant : THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092, U.S.A.

Inventors : JAMES BERNARD ZEITZ AND WILLIAM ALBERT HIGGINS

Application for Patent No. 535 Del/89 filed on June 22, 1989.

Appropriate officer for opposition proceedings (Rule 4, Patent Rules 1997) Patent Office Branch, New Delhi.

## 21 Claims

"A composition for use as anti-corrosive coating composition comprising [A] from 0.25 to 25% by wt. of an elastomer of the kind such as herein described and the balance, [B1] at least one non-carbonated hydrated metal-containing complex of [B-1] at least one metal-containing reagent; and [B-2] at least one acidic organic reagent or an ester or an alkali metal or alkaline earth metal salt thereof, wherein [B-1] is in stoichiometric excess to the acidic organic reagent or ester or alkali metal or alkaline earth metal salt thereof"

Com. Spec. 32 pages

Drg. sheet Nil

Ind. Cl. : 128J

174614

Int. Cl. : A61H 33/00

**"A BATHTUB INSERT FOR HANDICAPPED PERSONS"**

Applicant : PETER SCHMIDT, WITTEMWEG 38, D-7989, EISENHARZ, WEST GERMANY (A WEST GERMAN NATIONAL)

Inventor : PETER SCHMIDT

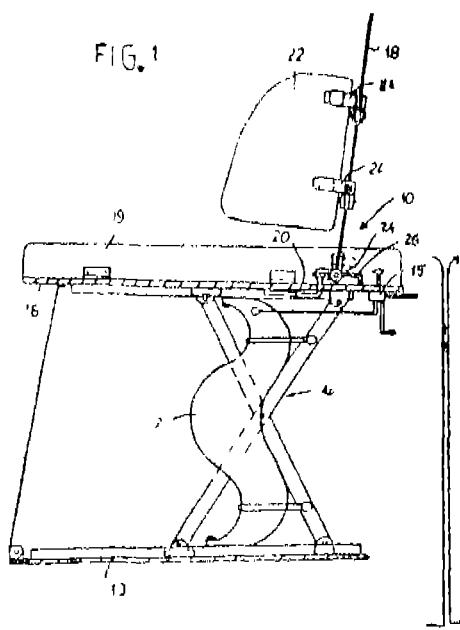
Application for Patent No. 696 DEL 89 filed on 7th August, 1989.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

### Claims 11

#### Claim 1.

A bathroom insert for handicapped persons comprising a bottom frame, a scissor-type guiding device mounted on said bottom frame, a seat-plate supported by said guiding device, a lifting device consisting of a water-fillable hose closed at its ends, one end of the hose fastened at the bottom frame and the other end fastened at the seat plate, a control device for filling and draining the hose, and a back plate supported by the seat plate, characterized in that a pair of side plates are pivotably mounted for swinging movements at the back plate by means of hinge arrangements, the pivot axes of the hinge arrangement extend substantially parallel with the back plate, and each hinge of said hinge arrangement comprises a snap-in locking device providing a multiplicity of snap-in position to hold the respective side plate in one of a multiplicity of pivoting angles with respect to the back plate.



Complete Specification-14 pages

Drawings-4 Pages

Ind. Cl. : 32E

174615

Int. Cl. : C08L 27/06

**"A POLYMERIC COMPOSITION CAPABLE OF BEING FORMED INTO A SHAPED RIGID ARTICLE HAVING A REDUCED GLOSS OR MATTE SURFACE**

Applicant : THE GEON COMPANY, OF 6100 OAK TREE BOULEVARD, CLEVELAND, OHIO 44131, UNITED STATES OF AMERICA.

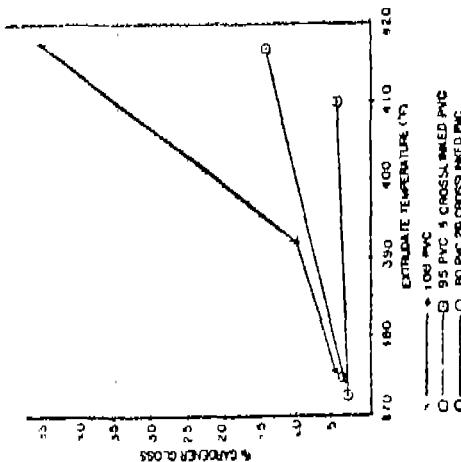
Inventors : ROSS JAMES COZENS, WILLIAM SAMUEL GREENLEE AND DOUGLAS EARL SKILLICORN

Application for Patent No. 150 DEL 89 filed on February 14, 1989.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### claims 13

"A polymeric composition capable of being formed into a shaped rigid article having a reduced gloss or matte surface which comprises on parts by weight basis a mixture of from 60 to 90.5 parts by weight of a first polymer such as herein described; and from 0.5 to 40 parts by weight of a second polymer such as herein described, said first and second polymers being compatible with each other, there being a difference in tan  $\delta$  of from 0.1 to 0.5 between said polymers whereby their viscoelastic properties are different."



Complete Specification : 57 pages.

Drawing Sheet 1

174616

Int. Cl. : E03D 5/00 F23G 5/00 A45D 33/00

### AN IMPROVED INCINERATOR TYPE TOILET

Applicant(s) : SUNANDAN KUMAR, of N-131, PANCHSHILA PARK, NEW DELHI-110017, INDIA, AN INDIAN NATIONAL.

Inventor(s) : SUNANDAN KUMAR

Application for Patent No. 458 DEL 88 filed on 24 May 1988.

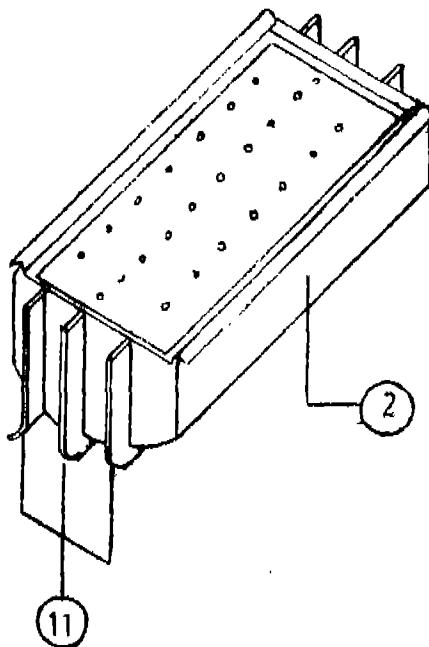
Complete Specification Left on 25 Aug 1989.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### Claims 5

An improved incinerator type toilet comprising a pot with a bottom portion thereof having an opening for evacuation leading into an incinerator/combustion chamber (6) whereon being disposed a container means for receiving human waste through said opening, characterized in that said opening is provided with a flap (9) and cup arrangement respectively to close the said opening and to receive the said waste, said flap and cup arrangement being so connected to a seat for the pot or to handles depending upon the toilet in use that when said toilet is not in use, said flap closes the opening with the cup falling outside the line of the said opening and when said toilet is in use, said cup replaces said flap for holding human waste and dropping same into the container means

in the incinerator when said flap returns to its original position.



(Provisional Specification 5 pages.  
(Complete specification 8 pages.

Drawing sheet 1)  
Drawing sheet 1).

Ind. Cl. : 32 B.

174617

Int. Cl. : C 07C 5/02.

**METHOD AND AN APPARATUS FOR THE PRODUCTION OF STYRENE.**

Applicant : COMPAGNIE FRANCAISE D'ETUDES ET DE CONSTRUCTION "TECHNIP" A FRENCH BODY CORPORATE, OF 170 PLACE HENRI REGNAULT, 92090 PARIS LA DEFENSE, FRANCE.

Inventors : RAJAN KRISHNAN  
PHILIPPE LEPESTIT  
DOMINIQUE PEIFFERT

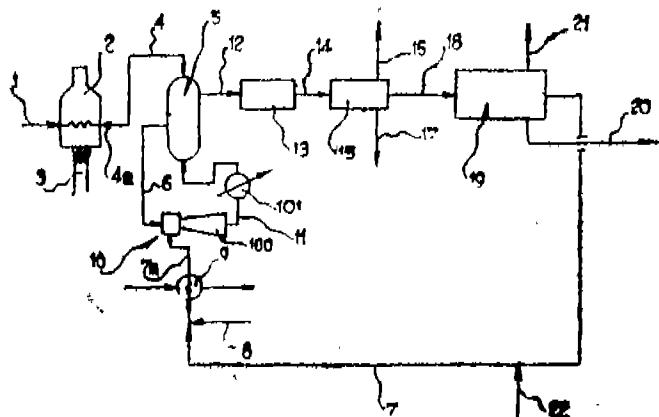
Application for Patent No. 459/DEL/1988 filed on 24-05-1988.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

claims 6

A method for the production of styrene by catalytic dehydrogenation of ethylbenzene vapour comprising mixing superheated steam with vaporized ethylbenzene previously diluted with water, dehydrogenating the mixture of said steam and ethylbenzene, condensing reaction effluent so produced to form an organic phase containing in particular styrene which is subjected to distillation while recycling unreacted ethylbenzene present in said organic phase for vaporizing said ethylbenzene, characterized in that said water-diluted ethylbenzene is vaporized at a pressure between 0.2 and 0.6 bars below the pressure necessary to pass said vaporized ethylbenzene with said steam at a pressure between 2.6 and 13 bars above the pressure necessary to pass said steam directly for dehydrogenation whereby the vaporized ethylbenzene is entrained by said steam to produce a mixture of vaporized ethylbenzene and said steam with a consumption of heat of low thermal level for vaporization, while providing said mix-

ture with a pressure sufficient to permit its injection directly for dehydrogenation.



(Complete Specification 14 pages. Drawings 02 sheets).

Ind. Cl. : 6A2 XLVI (1).

174618

Int. Cl. : F 04 B 9/00 F 16 H 23/10

**'REFRIGERANT COMPRESSOR'**

Applicant : SANDEN CORPORATION, A JAPANESE COMPANY, OF 20 KOTOBUKICHO, ISESAKI SHI, GUNMA, 372 JAPAN.

Inventor : 1. SHIGEMI SHIMIZU  
2. HIDEHIKO SHIMIZU  
3. KIYOSHI TERAUCHI

Application No. : 670/DEL/88. filed on : 3-8-88.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

claims 06

1. A refrigerant compressor comprising a drive shaft (19) having an inclined rotor member (21) secured to an inner end thereof, a wobble plate member (31) adjacent to and relatively borne on an inclined surface of said rotor member (21) said wobble plate member (31) connected to pistons (18) to reciprocate said pistons (18) within respectively linders (17) an anti-friction thrust bearing assembly (71) being mounted between said inclined surface of said inclined rotor member (21) and an end surface of said wobble plate member (31) facing said inclined surface of said inclined rotor member (21) said anti-friction thrust bearing assembly (71) comprising first and second annular race members (72,73) and an annular rolling element cage assembly (74) said first annular race member (72) being disposed on said end surface of said wobble plate member (31) and said second annular race member (73) being disposed on said inclined surface of said inclined rotor member (21) characterised by :

securing means for fixedly disposing said first annular race member (72) on said end surface of said wobble plate member (31) said securing means having an annular recess (82) provided in said end surface of said wobble plate member (31) for receiving said first annular race member (72);

a plurality of cut-out portions (35) provided in the peripheral surface of said annular race member (72) and

a plurality of radial projections (36) provided in said end surface of said wobble plate member (31), each of said radial projections (36) being positioned adjacent to, and engaging, one of said plurality of cut-out portions (35) to thus



Ind. Cl. : 32E

174622

Int. Cl. : C08L 23/28, 33/02,

**Title : POLYMERIZABLE COMPOSITION FOR THE PREPARATION OF LUMINESCENT AND SELECTIVELY LIGHT-ABSORBING MATERIALS**

**Applicant : TOMSKY GOSUDARSTVENNY UNIVERSITET IMENI V.V. KUBYSHEVA, OF PROSPEKT LENINA, 36, TOMSK, U.S.S.R.**

**Inventors : ROBERT ALEXANDROVICH MAIER, VLADIMIR PETROVICH SMAGIN, GENNADY MIKHAILOVICH MOKROUSOV, RAISA ANDREEVNA CHUPAKHINA, GENNADY PETROVICH SKIVKO, NIKOLAI PAVLOVICH KUSCH, ALEXANDR PETROVICH EVDOKIMOV, ALEXANDR PETROVICH BATALOV, ALEXANDR VALENTINOVICH KOSTESHA.**

Application for Patent No. 192/DEL/89 filed on March 2, 1989.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

claims 7

A polymerizable composition for preparation of luminescent and selectively light-absorbing materials which comprises :

a liquid monomer of the kind described herein; and

from 1.81 to 7.0 moles per litre of said monomer of at least one rare-earth metal salt of a halogen-substituted lower aliphatic carboxylic acid to provide a concentration of from 5×10 to 1 mole of salt per litre of monomer.

complete specification : 66 pages.

Drawing sheets : Nil.

Ind. Cl. : 32 E 104 C 5

174623

Int. Cl. : C08L 7/00, 9/00

**Title : A PROCESS FOR PREPARING AN ELASTOMERIC COMPOSITION.**

**Applicant : UNIROYAL CHEMICAL COMPANY, INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW JERSEY, ONE OF THE UNITED STATES OF AMERICA, LOCATED AT WORLD HEADQUARTERS, MIDDLEBURY, CONNECTICUT 06768, UNITED STATES OF AMERICA.**

**Inventor : FRANK CHARLES CESARE**

Application No. : 900/DEL/88 filed on 21-10-88

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

claims 09

A process for preparing an elastomeric composition, which process comprises the steps of blending :

- from 83 to 94 phr of a highly unsaturated rubber;
- from 3 to 27 phr of an ethylene/propylene/non-conjugated diene terpolymer having an umber average molecular weight of more than about 35,000;
- from 3 to 27 phr of ethylene/propylene/non-conjugated diene terpolymer having a number average molecular weight of from 500 to 15,000;
- from 2 to 7.5 phr of quinoline antioxidant; and
- an effective amount of curative; and (II) subjecting said blend to conventional curing conditions for a time sufficient to cure and blend to form said elastomeric composition.

Comp. Specn.—22.

Drgns—

Ind. Cl. : 143D

174624

Int. Cl. : C08L 23/12.

**Title : "A POLYPROPYLENE COMPOSITION USED FOR PRODUCING A FILM"**

**Applicant : COURTAULDS FILMS & PACKAGING [HOLDINGS] LTD.**

**Inventors : BLAIR GRIEVE WILSON SYME AND ALAN JOHN CRIGHTON.**

Application for Patent No. 922/DEL/88 filed on October 25, 1988.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

claims 5

A polypropylene composition used for producing a film, having a crease retention of at least 50% as measured by ASTM D920-49 said composition comprising from 1 to 40 percent by weight of a hydrocarbon resin such as herein described and the rest being a polypropylene polymer, the resin being substantially miscible with the polypropylene.

Comp. Specn. : 9 pages

Drgns. sheet : Nil.

Ind. Cl. : 132 (XXXII (3)).

174625

Int. Cl. : B 01 F 3/06, 13/10.

**Title : "AN APPARATUS FOR BLENDING PARTICULATE MATERIAL",**

**Applicant : FULLER COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE UNITED STATES OF AMERICA, OF 2040 AVENUE "C" BETHLEHEM, PENNSYLVANIA 18001, UNITED STATES OF AMERICA.**

**Inventor : PAUL KERMIT DUANE**

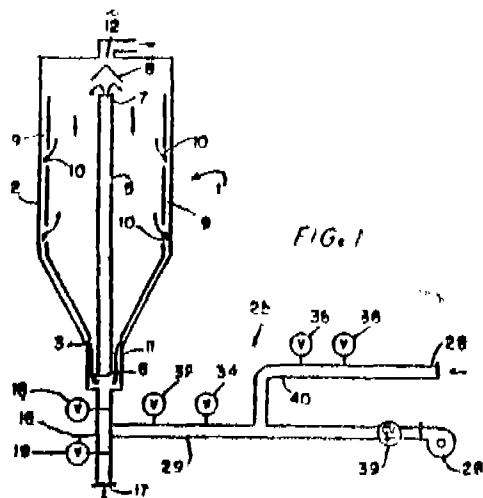
Application No. : 1081/DEL/88 filed on : 9 Dec 1988.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

claims 06

An apparatus (1) for blending particulate material comprising a vertically oriented vessel (2) having a centrally mounted vertical lift pipe (5), said lift pipe having a material inlet (6) near the bottom of the vessel and a material outlet near the top of the vessel, (7) said vessel having an inlet for gaseous fluid near the bottom whereby gaseous fluid under pressure is supplied to the bottom of the vessel for entraining material in the vessel and conveying said material through the vertical lift pipe (5) from its inlet (6) to its outlet (7) to its outlet (7) for discharge into the top of the vessel, (7) and a gaseous fluid (26) supply system comprising a first source of gaseous fluid (26) capable of providing gas at a pressure sufficient to circulate material in the vessel (2) through said lift pipe but insufficient to overcome an initial head of material in the vessel, (2) and conduit means (29) connecting said first source to the inlet for gaseous fluid of said vessel (2), a second source of gaseous fluid flow connected to said conduit means for pressurizing said conduit means (29) to a pressure sufficient to overcome an initial head of material in the vessel (2) and control means (32, 36) located in a conduit (40) flow connecting the said second source (28) for providing the supply of gaseous fluid from said first source (26) and said second source (28) to said conduit means (29) and from

said conduit means (29) to the inlet for gaseous fluid of said vessel (2).



Comp. Specn. 06 pages

Drawn. 1 sheets.

Ind. Cl. : 77 E + 140 B

174626

Int. Cl. : C10G 15/00, C11C 3/14

Title : 'A METHOD OF MANUFACTURING LUBE OIL'

Applicant : EXXON RESEARCH AND ENGINEERING COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF P. O. BOX No. 390, FLORHAM PARK NEW JERSEY 07932, UNITED STATES OF AMERICA.

Inventor : HEATHER ALEXIS BOUCHER

Application No. : 1095/DEL/88 filed on 13-12-88

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

claims 04

A method of manufacturing an improved yield of lube oil an improved yield in the viscosity grade 5.6 to 5.9 St/100°C which comprises isomerising in any known manner wax over a conventional isomerisation catalyst under conventional temperature, pressure and velocity conditions and recovering lube oil from the isomerate so produced, characterised in that the isomerisation is carried out at a low treat gas rate in the range of 500 to 5000 SCF/bbl, H<sub>2</sub>, and from the isomerate so produced an oil fraction in the viscosity grade 5.6 to 5.9 cSt at 100°C is recovered.

Comp. Specn.—25

Drawn.—Nil.

Ind. Cl. : 194 C(9)

174627

Int. Cl. : H01J 29/00

Title : 'A DRYING DEVICE FOR THE INNER GRAPHITE LAYER OF A COLOR PICTURE TUBE FUNNEL'

Applicant : SAMSUNG ELECTRON DEVICES CO. LTD., A KOREAN CORPORATION, 575 SHIN-RI, TAEAN-EUB, HWASEONG GUN, KYUGGI-DO, KOREA.

Inventor(s) : (1) HUN-UK KIM

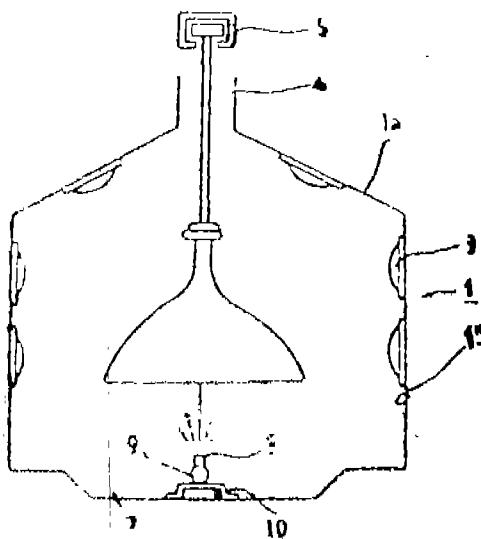
Application for Patent No. 1057/DEL/89 filed on 15th November, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

claims 3

1. A drying device for the inner graphite layer of a color picture tube funnel, comprising; a hanger for hanging one or a plurality of funnels with graphite spread thereon; a drying furnace with a plurality of heating means installed on the inner face thereof; and a conveyor for carrying said hanger into the interior of said drying furnace, characterized in that an air stream supplying means is provided at the bottom of said drying furnace for supplying air streams into the interior of said funnel, and said funnel is hung on said hanger with the neck of said funnel directed upwardly.

Fig. 3



Comp. Specn.—8 pages

Drawn. sheets 2.

Ind. Cl. : 136 E

174628

Int. Cl. : B 22F 1/00

Title : "A METHOD FOR PRODUCING A POWDER-FORGED ARTICLE SUCH AS A CONNECTING-ROD"

Applicant : SINTERMETALLWERK KREBSOGE GMBH, OF KREBSCHE 10, D-5608 RADEVORMWALD, WEST GERMANY.

Inventors : MANFRED WEBER

Application for Patent No. 182/DEL/89 filed on February 28, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

claims 12

"A method for producing a 'powder-forged' article such as a connecting-rod having at least two precisely fitting individual parts, the method comprising the steps of pressing a known sinterable powder to make a one-piece preform of the desired article; sintering and forging said one-piece preform into its final form; cooling said one-piece preform; and separating said sintered preform into its individual parts; characterized by the steps of providing at least one initial crack notch in the one-piece preform prior to sintering, said initial crack notch being provided at a point along a line of intended separation between the two individual parts; providing a protective layer such as an oxide layer on said initial crack notch between the steps of sintering and forging; during said forging step causing said at least one initial crack notch to close, and protective coating on inner walls of the crack notch ensuring, however, that subsequent separation occurs along the line of separation; and separating the article into

said at least two individual parts by breaking the article along said separation line after cooling."

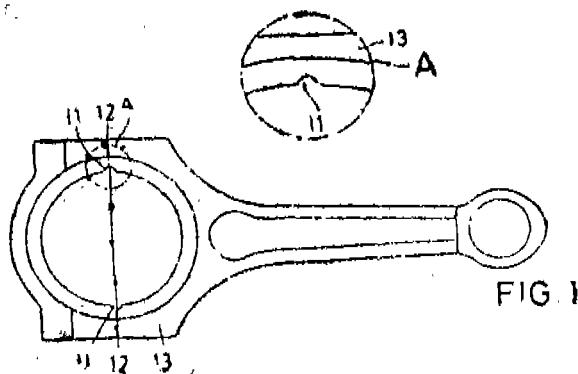


FIG. 1

comp. specn.—13 pages

Drwgn. sheets—3.

Ind. Cl. : 40 B, 56B.

174629

Int. Cl. : C10G, 11/00

Title : "A VANADIUM AND NICKEL RESISTANT FLUID CATALYTIC CRACKING CATALYST COMPOSITION."

Applicant : UOP, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT 25 EAST ALGONQUIN ROAD, DES PLAINES, ILLINOIS, UNITED STATES OF AMERICA.

Inventor(s) : LAWRENCE LEWIS-UPSON; PIETER JOHANNES VAN DE GENDER; WIM VAN DIJK.

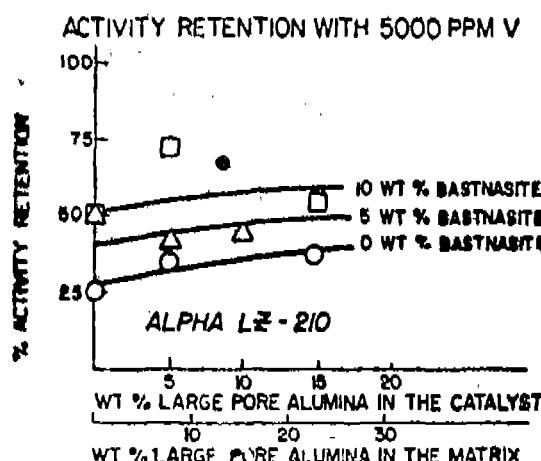
Application for Patent No. 587/Del/89 filed on 4th July, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi—110 005.

claims 6

A vanadium and nickel resistant fluid catalytic cracking catalyst composition comprising a combination of 10—15 wt. percent LZ-210 type molecular sieve component and a are earth component of the bastnasite type in an amount of 1 to 25 wt. % of the catalyst with a matrix containing 0.5 to 15 wt. percent of a large pore, low surface area alumina to result in the matrix having an average pore diameter greater than 90 Angstroms and a surface area of 25 to 60 m<sup>2</sup>/g.

FIG. 1a



comp. specn.—22 pages.

Drwgn. sheets—4.

Ind. Cl. : 32F3d.

174630

Int. Cl. : C01D 1/22.

Title : PROCESS FOR PREPARING ALKYLENE CARBONATE FROM ALKYLENE OXIDE.

Applicant : SCIENTIFIC DESIGN COMPANY, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 49 INDUSTRIAL AVENUE, LITTLE FERRY, NEW JERSEY 07643-1901, UNITED STATES OF AMERICA.

Inventor : ROBERT MICHAEL WEINSTEIN.

Application for Patent No. : 220/DEL/88 filed on 18-3-1988.

Divisinal to patent application No. 754/D/85 filed on 13-9-1985. Ante-dated to 13-9-85.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi—110 005.

claims 3

A process for the preparation of an alkylene carbonate comprising reacting the corresponding alkylene oxide with carbon dioxide in the presence of a quaternary arsonium halide at a temperature of from 20 to 200°C and a pressure of from 10 to 20 bars, said quaternary arsonium halide being expressed as  $R_1R_2R_3R_4$  As X, wherein  $R_1R_2R_3R_4$  is a member of the group consisting of hydrogen, alkyl, cycloalkyl, aryl, alkenyl, and cycloalkenyl, and may be the same or different; and where X is a member of the group consisting of chlorine, bromine and iodine.

(comp. specn.—11 pages).

PATENT SEALED ON 23-12-1994

171399\* 171448\* 173034 173475 173476 173477 173478  
 173480 173482\* 173483 173484 173485 173486 173487  
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 173505 173507\* 173509 173510\* 173511 173513 173514  
 CAL—08, DEI—15, BOM—03, MAS—09.

\*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT under section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—DRUG PATENT, F—FOOD PATENT.

RENEWAL FEES PAID

160426	161737	162333	162397	162475	162693	162729
162771	162772	162835	162988	163291	163342	163546
163603	165239	165606	165637	165783	165819	165880
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172116	172128	172158	172252	172265	172432	172434
172446	172478	172502	172507	172509	172510	172559
172555	172556	172559	172578	172691		172554

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

**Class 1.** No. 167277, 167278, 167280 & 167282, Nortech India Limited, E9, MIDC Waluj Industrial Area, Waluj 431113, Aurangabad, Maharashtra, India, "PRINTED SHEET", 28th April 1994.

**Class 1.** No. 167677, 167678 & 167680, Mount Everest Mineral Water Limited, 261/203, Qutab Hotel, Shaheed Ject Singh Marg, New Delhi 16, India, "WATCH", 20th June 1994.

**Class 1.** No. 167497, Hussnain International, a partnership firm having its place of business at Yasmin Garden, rampur Road, Moradabad 244001, U.P., India, "FRUIT", 16 May 1994.

**Class 1.** No. 167481, Hussnain International, a partnership firm having its place of business at Yasmin Garden, rampur Road, Moradabad 244001, U.P., India, "ORNAMENTAL BOWL", 16 May 1994.

**Class 1.** No. 167492, Hussnain International, a partnership firm having its place of business at Yasmin Garden, rampur Road, Moradabad 244001, U.P., India, "HEAD BCWL", 16 May 1994.

**Class 1.** No. 167486, Hussnain International, a partnership firm having its place of business at Yasmin Garden, rampur Road, Moradabad 244001, U.P., India, "BOTTLE COASTER", 16 May 1994.

**Class 1.** No. 166656 166655 Kanin (India) focal Point, Ludhiana 10, Punjab, India, an Indian Partnership firm, "STAPPLERS", 3rd January 1994.

**Class 1.** No. 166680, Geep Industrial syndicate Limited, Manufacturers, of 28 South Rd. Allahabad, U.P., India, an Indian company, "TORCH", 11th January '94.

**Class 1.** No. 167136, Amrik Singh Kchil, an Indian National & resident of House No. 351, Phase I, Urban Estate, Foral Point, Ludhiana 10, Punjab, India, "DIGITAL RICE CALIPER", 31st March 1994.

**Class 1.** No. 167166, Sah Industrial Research Institute S. 15/171, Goutam Buddha Rajpath Sarnath, Varanasi 221007, India, "COOLER FAN OF 20 SIZE", 17th April 1994.

**Class 1.** No. 167671, Cooke & Kelvey Pvt. Ltd., 3 Scindia House, Janpath, New Delhi, 110001, India, an Indian Company, "CIGARETTE CASE", 20th June 1994.

**Class 1.** No. 166750, Bajaj Auto Ltd. Akurdi, Pune 411035, Maharashtra, India, "PETROL TANK", 25th January 1994.

**Class 1.** No. 167203, Rosink GMbH & Co., of Maschinenfabrik, Postfach, 2223, Bentheimer Str. 207, D. 4460, Nordhorn, Germany, "A COLLER", 19th April 1994.

**Class 1.** No. 167087, Satake Corporation, a Japanese Corporation manufacturers, of 4-7-2, Soto-Kanda, Chiyoda-Ku, Tokyo, Japan, "A GRAIN MILLING MACHINE" 23rd March 1994.

**Class 1.** No. 166682, Shriram Industrial enterprises Ltd., an Indian company, Surya Kiran Building, 19 Kasturba Gandhi Marg, New Delhi 110001, India, "GRILL FOR WINDOW AIR CONDITIONER", 11th January 1994.

**Class 1.** No. 167849 & 167850 Sunil Kumar Agarwal, Proprietor, Aluminium & Allied Products, 8B, Lal Bazar Street, Calcutta 700017, W.B. India, METAL CADDIES", 4th August 1994.

**Class 3.** No. 167521, LA OPALA GLASS PRIVATE LIMITED, 12A, Camac Street, Calcutta 700017, W.B., India, "PLATES" 18th May 1994.

**Class 3.** No. 166921, Pearl Polymers Limited, 704, Rohit House, 3, Tolstoy Marg, New Delhi-110001, India, "BOTTLE", 7th March 1994.

**Class 3.** No. 167522 & 167523, LA APALA GLASS PRIVATE LIMITED, 12A, Camac Street, Calcutta 700017, W.B., India, "PLATES", 18th May 1994.

**Class 4.** No. 167520 & 167527 to 167530, LAO PALA GLASS PRIVATE LIMITED, 12A, Camac Street, Calcutta 700017, W.B., India, "PLATES", 18th May 1994.

**Class 3.** No. 166712, International Business Machines Corporation, a company organized and existing under the Laws of the State of New York, U.S.A., of Armonk, New York, 10504, U.S.A., "EXPANDED JACKETTED CIRCUIT CARD", 18th January 1994.

**Class 3.** No. 166790, Ajanta Transistor clock Mfg. Co., Industrial estate, Rajkot Highway, P.B. No. 115, Morbi 363641, Maharashtra, India, an Indian partnership firm, "WALL CLOCK", 7th February 1994.

**Class 3.** No. 166507, Deluxe Plastics, D 1, Nadham Industrial Estate, Marol Maroshi Road, Bombay 400059, Maharashtra, India, an Indian partnership firm, "CAP OF CONTAINER", 22nd November 1993.

**Class 3.** No. 166880, Tide Water Oil Co (India) Ltd., of 3rd floor, Kamani Chambers, 32 R Kamani Marg, Ballard estate, Bombay 400038, Maharashtra, India, "A BOTTLE", 25th February 1994.

**Class 3.** No. 167725, MRF Limited, 124, Greams Road, Madras 600 006, Tamil Nadu, India, "PRECURSED TREAD RUBBER", 30th June 1994.

**Class 3.** No. 167843, Bharat Kernels Private Limited, an Indian company having its principal place of business at 24B Basantajal Saha Road, Calcutta 700033, West Bengal, India, "CONTAINER", 3rd August 1994.

**Class 10.** No. 167878, Alert India a partnership firm of address C/1, S.M.A. Industrial Estate, G.T. KARNAL ROAD, Delhi 33, India, "THE SOLE OF FOOTWEAR", 10th August 1994.

**Class 10.** No. 166626, Delhi Electronic Instruments & Equipment manufacturing Pvt. Ltd., A 4/2, Maya Puri, Phase II, New Delhi, India, "SHOE SOLE", 29th December 1993.

**Class 12.** No. 166619, Bharat Biscuit Co. Pvt. Ltd., 538, Jodhpur Park, Calcutta 700 068, West Bengal, India, "BISCUIT", 22nd December 1993.

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Controller General of Patent, Design & Trade Marks.

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प्रयोगशाला विभाग, दिल्ली द्वारा प्रकाशित, 1995

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